[illegible]

19 20 21 22 23 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

1-2 1-7 1-8 2-3 2-10 3-4 3-6 4-5 11-12 12-13 12-18 13-16 14-15 14-18 16-17  
19-24 24-25 26-27 27-37 28-46 29-49 29-30 30-51 31-43 32-40 32-33 33-52 43-53

19-20	19-23	20-21	21-22	22-23	34-35	34-39	35-36	36-37	37-38	38-39	40-41	40-45
41-42	42-43	43-44	44-45	46-47	46-50	47-48	48-49	49-50				

[illegible]

1-2 1-7 1-8 2-3 11-12 13-16 14-15 14-18 16-17 19-24 24-25 26-27 27-37 28-46  
29-49 29-30 30-51 31-43 32-40 32-33 33-52 43-53

G2: [\*1], [\*2], [\*3], [\*4], [\*5]

```

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 10:CLASS 11:CLASS
12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:Atom 20:Atom
21:Atom 22:Atom 23:Atom 24:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS 29:CLASS
30:CLASS 31:CLASS 32:CLASS 33:CLASS 34:Atom 35:Atom 36:Atom 37:Atom 38:Atom
39:Atom 40:Atom 41:Atom 42:Atom 43:Atom 44:Atom 45:Atom 46:Atom 47:Atom 48:Atom
49:Atom 50:Atom 51:CLASS 52:CLASS 53:CLASS 61:CLASS

```

=> file reg  
COST IN U.S. DOLLARS

SINCE FILE ENTRY	TOTAL SESSION
0.21	0.21

FULL ESTIMATED COST

FILE 'REGISTRY' ENTERED AT 10:34:15 ON 15 SEP 2003  
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 12 SEP 2003 HIGHEST RN 584554-34-7  
DICTIONARY FILE UPDATES: 12 SEP 2003 HIGHEST RN 584554-34-7

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:  
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> ....Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=> screen 965 AND 1006 AND 1015 AND 1051 AND 2076 AND 2067

L1 SCREEN CREATED

=> screen 1821 OR 1822 OR 1823 OR 1824

L2 SCREEN CREATED

=>

Uploading C:\Program Files\Stnexp\Queries\10092846-2.str

L3 STRUCTURE UPLOADED

=> que L3 AND L1 AND L2

L4 QUE L3 AND L1 AND L2

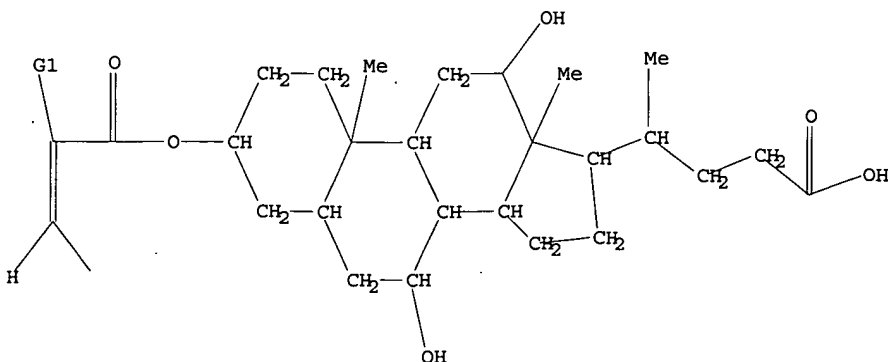
=> d

L4 HAS NO ANSWERS

L1 SCR 965 AND 1006 AND 1015 AND 1051 AND 2076 AND 2067

L2 SCR 1821 OR 1822 OR 1823 OR 1824

L3 STR



G1 H, Me

Structure attributes must be viewed using STN Express query preparation.

L4 QUE ABB=ON PLU=ON L3 AND L1 AND L2

=> s l4 sss sam  
SAMPLE SEARCH INITIATED 10:34:52 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 0 TO ITERATE

100.0% PROCESSED 0 ITERATIONS 0 ANSWERS  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 0 TO 0  
PROJECTED ANSWERS: 0 TO 0

L5 0 SEA SSS SAM L3 AND L1 AND L2

=> ....Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=> screen 970 AND 2067

L6 SCREEN CREATED

=>  
Uploading C:\Program Files\Stnexp\Queries\10092846-1.str

L7 STRUCTURE UPLOADED

=> que L7 AND L6

L8 QUE L7 AND L6

=> d  
L8 HAS NO ANSWERS  
L6 SCR 970 AND 2067  
L7 STR

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

Structure attributes must be viewed using STN Express query preparation.  
L8 QUE ABB=ON PLU=ON L7 AND L6

=> s l8 sss sam  
SAMPLE SEARCH INITIATED 10:35:29 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 381 TO ITERATE

100.0% PROCESSED 381 ITERATIONS 1 ANSWERS  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 6449 TO 8791  
PROJECTED ANSWERS: 1 TO 80

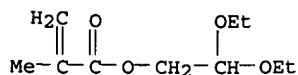
L9 1 SEA SSS SAM L7 AND L6

=> d

L9 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS on STN  
RN 95984-08-0 REGISTRY  
CN 2-Propenoic acid, 2-methyl-, 1,2-ethanediyl ester, polymer with  
2,2-diethoxyethyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN 2-Propenoic acid, 2-methyl-, 2,2-diethoxyethyl ester, polymer with  
1,2-ethanediyl bis(2-methyl-2-propenoate) (9CI)  
MF (C10 H18 O4 . C10 H14 O4)x  
CI PMS  
PCT Polyacrylic  
LC STN Files: CA, CAPLUS

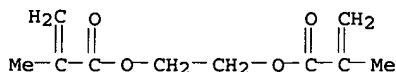
CM 1

CRN 95983-99-6  
CMF C10 H18 O4



CM 2

CRN 97-90-5  
CMF C10 H14 O4



2 REFERENCES IN FILE CA (1937 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1937 TO DATE)

=> FIL CAPLUS HCAPLUS USPATFUL  
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
2.88	3.09

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 10:35:49 ON 15 SEP 2003  
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FILE 'HCAPLUS' ENTERED AT 10:35:49 ON 15 SEP 2003  
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FILE 'USPATFULL' ENTERED AT 10:35:49 ON 15 SEP 2003  
CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

=> s 15  
L10 0 L5

=> s 19  
L11 4 L9

=> duplicates remove l11  
DUPLICATE PREFERENCE IS 'CAPLUS, HCAPLUS'  
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n  
PROCESSING COMPLETED FOR L11  
L12 2 DUPLICATE REMOVE L11 (2 DUPLICATES REMOVED)

=> d l12 1-2 ibib hitstr

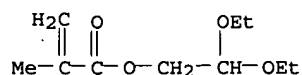
L12 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS on STN DUPLICATE 1  
ACCESSION NUMBER: 1986:553706 CAPLUS  
DOCUMENT NUMBER: 105:153706  
TITLE: Polymer compositions with ester and acetal groups  
INVENTOR(S): Zabransky, Jiri; Houska, Milan; Plichta, Zdenek;  
Kalal, Jaroslav  
PATENT ASSIGNEE(S): Czech.  
SOURCE: Czech., 6 pp.  
CODEN: CZXXA9  
DOCUMENT TYPE: Patent  
LANGUAGE: Czech  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CS 227494	B	19840416	CS 1982-5031	19820701
PRIORITY APPLN. INFO.: CS 1982-5031 19820701				
IT 95984-08-0				
RL: USES (Uses)				
(carriers for biol. active compds.)				
RN 95984-08-0	CAPLUS			
CN	2-Propenoic acid, 2-methyl-, 1,2-ethanediyl ester, polymer with 2,2-diethoxyethyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)			

CM 1

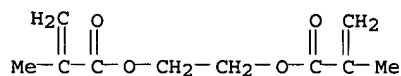
*1,3-dioxolane*

CRN 95983-99-6  
CMF C10 H18 O4



CM 2

CRN 97-90-5  
CMF C10 H14 O4



L12 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS on STN DUPLICATE 2

ACCESSION NUMBER: 1985:167256 CAPLUS

DOCUMENT NUMBER: 102:167256

TITLE: Polymers with aldehyde and acetal groups based on esters of methacrylic acid

AUTHOR(S): Zabransky, Jiri; Houska, Milan; Plichta, Zdenek; Kalal, Jaroslav

CORPORATE SOURCE: Inst. Macromol. Chem., Czech. Acad. Sci., Prague, 162 06/6, Czech.

SOURCE: Makromolekulare Chemie (1985), 186(2), 231-45

CODEN: MACEAK; ISSN: 0025-116X

DOCUMENT TYPE: Journal

LANGUAGE: English

IT 95984-08-0P

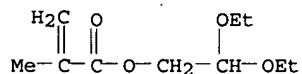
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(prepn. and transacetalization of)

RN 95984-08-0 CAPLUS

CN 2-Propenoic acid, 2-methyl-, 1,2-ethanediyl ester, polymer with 2,2-diethoxyethyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

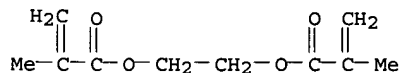
CM 1

CRN 95983-99-6  
CMF C10 H18 O4



CM 2

CRN 97-90-5  
CMF C10 H14 O4



=>

=> d his

(FILE 'HOME' ENTERED AT 10:53:00 ON 15 SEP 2003)

FILE 'REGISTRY' ENTERED AT 10:53:13 ON 15 SEP 2003

L1 59098 S 1,3-DIOXOLANE  
L2 0 S 1,3-DIOXOLANE ACRYLATE  
L3 1 S 1,3-DIOXOLANE METHACRYLATE  
L4 2 S 1,3-DIOXANE METHACRYLATE

FILE 'CAPLUS, HCAPLUS, USPATFULL' ENTERED AT 10:55:34 ON 15 SEP 2003

=> s l3 or l4

L5 13 L3 OR L4

=> s l5 and (photoresist or resist)

L6 0 L5 AND (PHOTORESIST OR RESIST)

=> duplicates remove l5

DUPLICATE PREFERENCE IS 'CAPLUS, HCAPLUS, USPATFULL'

KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n

PROCESSING COMPLETED FOR L5

L7 8 DUPLICATE REMOVE L5 (5 DUPLICATES REMOVED)

=> d l7 1-8 ibib

L7 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2003 ACS on STN DUPLICATE 1

ACCESSION NUMBER: 2000:398651 CAPLUS

DOCUMENT NUMBER: 133:135850

TITLE: Comparative study of the relaxation behavior of acrylic polymers with flexible cyclic groups in their structure

AUTHOR(S): Garcia, N.; Compan, V.; Diaz-Calleja, R.; Guzman, J.; Riande, E.

CORPORATE SOURCE: Instituto de Ciencia y Tecnologia de Polimeros, CSIC, Madrid, 28006, Spain

SOURCE: Polymer (2000), 41(17), 6603-6611

CODEN: POLMAG; ISSN: 0032-3861

PUBLISHER: Elsevier Science Ltd.

DOCUMENT TYPE: Journal

LANGUAGE: English

REFERENCE COUNT: 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2003 ACS on STN DUPLICATE 2

ACCESSION NUMBER: 1999:339484 CAPLUS

DOCUMENT NUMBER: 130:339409

TITLE: High-solids thermosetting coating compositions with dual cure mechanism and coating an article

INVENTOR(S): Ohrbom, Walter; Harris, Paul

PATENT ASSIGNEE(S): BASF Corporation, USA

SOURCE: Eur. Pat. Appl., 15 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 915113	A1	19990512	EP 1998-121140	19981110
EP 915113	B1	20030507		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
US 5907024	A	19990525	US 1997-968387	19971112
US 5945499	A	19990831	US 1997-968395	19971112
JP 2000204316	A2	20000725	JP 1998-320604	19981111

PRIORITY APPLN. INFO.: US 1997-968387 A 19971112  
US 1997-968395 A 19971112

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 3 OF 8 USPATFULL on STN

ACCESSION NUMBER: 1999:102888 USPATFULL

TITLE: High solids thermosetting compositions with dual cure mechanism

INVENTOR(S): Ohrbom, Walter H., Hartland Township, MI, United States  
Harris, Paul J., West Bloomfield, MI, United States

PATENT ASSIGNEE(S): BASF Corporation, Southfield, MI, United States (U.S.)

corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5945499		19990831
APPLICATION INFO.:	US 1997-968395		19971112 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Gorr, Rachel		
NUMBER OF CLAIMS:	22		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1003		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 4 OF 8 USPATFULL on STN  
ACCESSION NUMBER: 1999:61209 USPATFULL  
TITLE: High solids thermosetting compositions with dual cure mechanism  
INVENTOR(S): Ohrbom, Walter H., Hartland Township, MI, United States  
Harris, Paul J., West Bloomfield, MI, United States  
PATENT ASSIGNEE(S): BASF Corporation, Southfield, MI, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5907024		19990525
APPLICATION INFO.:	US 1997-968387		19971112 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Gorr, Rachel		
LEGAL REPRESENTATIVE:	Sabourin, Anne Gerry		
NUMBER OF CLAIMS:	18		
EXEMPLARY CLAIM:	1		
LINE COUNT:	983		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2003 ACS on STN DUPLICATE 3  
ACCESSION NUMBER: 1991:165141 CAPLUS  
DOCUMENT NUMBER: 114:165141  
TITLE: Polyacetal terpolymers of trioxane and alpha, alpha- and alpha, beta-isomers of glycerol formal and functional derivatives thereof  
INVENTOR(S): Yang, Nan Loh; Auerbach, Andrew; Pesce, Rose A.; Broussard, Jerry A.; Paul, James L.  
PATENT ASSIGNEE(S): Hoechst Celanese Corp., USA  
SOURCE: Eur. Pat. Appl., 13 pp.  
CODEN: EPXXDW  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 398585	A2	19901122	EP 1990-305040	19900510
EP 398585	A3	19920722		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
US 4975519	A	19901204	US 1989-350781	19890512
CA 2016335	AA	19901112	CA 1990-2016335	19900509
CN 1047307	A	19901128	CN 1990-102766	19900512
JP 03047818	A2	19910228	JP 1990-123976	19900514
BR 9002243	A	19910813	BR 1990-2243	19900514
PRIORITY APPLN. INFO.:			US 1989-350781	19890512

L7 ANSWER 6 OF 8 USPATFULL on STN  
ACCESSION NUMBER: 90:93246 USPATFULL  
TITLE: Novel polyacetal terpolymers of trioxane and alpha, alpha- and alpha, beta-isomers of glycerol formal and functional derivatives thereof  
INVENTOR(S): Yang, Nan L., Staten Island, NY, United States  
Auerbach, Andrew, Livingston, NJ, United States  
Pesce, Rose, College Point, NY, United States  
Broussard, Jerry A., Summit, NJ, United States  
Paul, James L., Summit, NJ, United States  
PATENT ASSIGNEE(S): Hoechst Celanese Corporation, Somerville, NJ, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4975519		19901204

APPLICATION INFO.: US 1989-350781 19890512 (7)  
DOCUMENT TYPE: Utility  
FILE SEGMENT: Granted  
PRIMARY EXAMINER: Kight, III, John  
ASSISTANT EXAMINER: Acquah, Sam A.  
LEGAL REPRESENTATIVE: Nixon & Vanderhye  
NUMBER OF CLAIMS: 32  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 1 Drawing Figure(s); 1 Drawing Page(s)  
LINE COUNT: 596  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2003 ACS on STN DUPLICATE 4

ACCESSION NUMBER: 1966:439001 CAPLUS  
DOCUMENT NUMBER: 65:39001  
ORIGINAL REFERENCE NO.: 65:7312a-c  
TITLE: Oxacycloalkane ester compositions containing aryl  
peroxides and tertiary aromatic amines, polymerizable  
in air  
INVENTOR(S): Reinhardt, Heinz F.  
PATENT ASSIGNEE(S): E. I. du Pont de Nemours & Co.  
SOURCE: 4 pp.  
DOCUMENT TYPE: Patent  
LANGUAGE: Unavailable  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3256254		19660614	US	19620828

L7 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2003 ACS on STN DUPLICATE 5

ACCESSION NUMBER: 1954:39267 CAPLUS  
DOCUMENT NUMBER: 48:39267  
ORIGINAL REFERENCE NO.: 48:7052g-i,7053a  
TITLE: Esters of acrylic and methacrylic acids  
INVENTOR(S): Ellery, Eric  
PATENT ASSIGNEE(S): Imperial Chemical Industries Ltd.  
DOCUMENT TYPE: Patent  
LANGUAGE: Unavailable  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 690709		19530429	GB	